



INTERNATIONAL BUREAU

REPORT

2011 Section 43.82 Circuit Status Data

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Policy Division

2011 Section 43.82 Circuit Status Data

This report contains information on U.S. facilities-based international common carriers' circuits as of year-end 2011 that was submitted to the Federal Communications Commission (Commission) by U.S. common carriers pursuant to section 43.82 of the Commission's rules.¹ In addition to the 2011 data, for comparison purposes, this report includes data from previous reports covering 2008 through 2010.² Due to a change in the reporting requirements, beginning in 2011 carriers no longer need to report the circuits from off-shore U.S. points as international circuits.³ We have removed data for those off-shore U.S. points from the 2008 to 2010 data in this report to allow for comparison with the 2011 data.

Overall, the reported number of activated 64 Kbps equivalent circuits grew by 18 percent between 2010 and 2011. At year-end 2011, the reported number of activated 64 Kbps equivalent circuits totaled 28.8 million circuits as compared to 24.4 million circuits at year-end 2010.⁴

Reporting Requirements

Section 43.82 of the Commission's rules requires U.S. facilities-based international common carriers to file an international circuit status report by March 31 each year for circuits used to provide international services as of December 31 of the preceding year.⁵ The detailed filing requirements are set forth in the Filing Manual.

Non-common carriers are not required by section 43.82 to report their circuits.⁶ Commission staff believes that a substantial amount of international capacity is provided on a non-common carrier basis. The capacity reported here therefore should not be treated as representing the total

¹ 47 C.F.R. § 43.82.

² Information for 1995-2007 is available in our previous reports at <http://transition.fcc.gov/ib/pd/pf/csmanual.html>.

³ See *Reporting Requirements for U.S. Providers of International Telecommunications Services; Amendment of Part 43 of the Commission's Rules*, IB Docket No. 04-112, First Report and Order and Further Notice of Proposed Rulemaking, FCC 11-76, 26 FCC Rcd 7274, 7293-95, ¶¶ 51-55 (2011). See also *Annual International Circuit Status Reports Due on April 2, 2012; Changes In the Reporting Requirements*, Public Notice, DA 12-342, 27 FCC Rcd 2292 (Int'l Bur. 2012) (2012 Public Notice) (noting that carriers should no longer report circuits for off-shore U.S. points).

⁴ The total number of activated circuits reported in the 2010 Report was 24.8 million circuits. However, after removing the circuits for off-shore U.S. points, the revised total for 2010 is 24.4 million circuits (as this is less than a 2 percent change, it is not a material change from the total activated circuits originally reported).

⁵ The Filing Manual defines international facilities-based circuits as "international circuits in which a carrier has an ownership interest that includes outright ownership, indefeasible right of use (IRU) interests, or leasehold interest in capacity in an international facility, regardless of whether the underlying facility is a common or non-common carrier submarine cable or ...satellite system." *Manual for Filing Section 43.82 Circuit Status Data in Accordance with the FCC's Rules and Regulations* (Filing Manual) at 5. The Filing Manual is accessible on the FCC's website at www.fcc.gov/ib/pd/pf/csmanual.html. See also *2012 Public Notice*.

⁶ See 47 C.F.R. § 43.82.

capacity used to provide U.S.-international services.

This report summarizes Commission staff review and analysis of the information provided to the Commission by carriers pursuant to section 43.82.⁷ Some carriers request confidential treatment of information submitted. The information in this report is presented in aggregated form for public use.

All U.S. facilities-based international common carriers are required to file circuit status information showing both activated (in-service) and idle (available but not in-service) capacity. Although carriers measure units of circuit capacity at E-1⁸ and STM-1⁹ levels, they report all services in 64 Kbps-equivalent circuits, the minimum measurable unit, to accommodate carriers that have low traffic volumes and, therefore, cannot report by large capacity units with respect to any particular country. Carriers also measure bandwidth of international transmission capacity at substantially higher levels (*i.e.*, gigabits per second (Gbps) and terabits per second (Tbps)).

Table 7-A is a supplemental table showing capacity data for trans-oceanic cables that are not filed by cable operators for purposes of section 43.82, but are included in this report for reference purposes. This table states the cable capacity for the period 2007-2014 in Gbps as well as in 64 Kbps circuit units to reflect industry convention. We have used the following standard conversion ratio: 1 Gbps = 12,096 64 Kbps circuits. For further reference, Table 7-B provides additional information about these trans-oceanic cables, including landing points and filing information.

Data Presentation

The reported circuits are used to provide International Message Telephone Service (IMTS) (switched voice), International Private Line Service (IPLS) (including voice and data), and Miscellaneous or Other International Services (including data services other than IPLS). The data in this report is aggregated to reflect all of the submitted information, including information from carriers requesting confidential treatment.

⁷ The staff reviews the carriers' submissions for accuracy and completeness. Some carriers were asked to file revised data in response to staff requests for clarification. Other carriers filed revisions on their own.

⁸ 1 E-1 = 30 64 Kbps circuits.

⁹ 1 STM-1 = 1,890 64 Kbps circuits.

This report uses the following regional codes:

<i>Region</i>	<i>Code</i>
Western Europe	1
Africa	2
Middle East	3
Caribbean	4
North and Central America	5
South America	6
Asia	7
Oceania	8
Eastern Europe	9
International Water Area	10

This report is organized as follows:

- Table 1 lists the 60 carriers that filed circuit status reports. Of these, 56 carriers reported activated or idle capacity in 2011. The remaining 4 carriers did not report any activated or idle capacity in 2011.
- Tables 2 through 5 present data from 2008 through 2011 for different categories of transmission facilities:¹⁰ Table 2 (data on undersea cable circuits); Table 3 (data on satellite circuits);¹¹ Table 4 (data on terrestrial circuits);¹² and Table 5 (data on combined transmission circuits); as well as the percentage of circuits by service type (IMTS, Private Lines, and Other International Services) for each region, from 2008 to 2011. These tables include information organized by service type for the 2008, 2009, 2010, and 2011 data.

¹⁰ Carriers report circuits based on the initial facility used to deliver traffic from the United States to each international point. For example, a carrier might use a circuit on a terrestrial cable from the United States to Mexico as the first international link in providing IMTS service from the United States to Brazil, but with the traffic transiting undersea cable facilities to go from a Mexican cable landing station to its final destination in Brazil. The circuit in the example would be reported as a terrestrial circuit because the initial transmission facility was a terrestrial cable.

¹¹ The satellite data understate the actual amount of satellite capacity in use because satellite operators frequently provide capacity directly to end-users on a non-common carrier basis, and that non-common carrier capacity is not subject to reporting requirements under section 43.82.

¹² Terrestrial circuits include circuits carried by microwave facilities and by terrestrial cables. Terrestrial circuits do not include circuits carried by undersea cables.

- Table 6 shows the top 30 destinations by circuits. The top 30 destinations accounted for 98.9 percent of the total U.S.-activated circuits at year-end 2011, with the United Kingdom, Japan, Germany, Canada, and Denmark as the top five destinations.

Supplementary Data Regarding Trans-Oceanic Cable Capacity

While this report focuses on facilities-based international common carrier capacity, there is significant international capacity provided on a non-common carrier basis as well. Accordingly, Tables 7-A and 7-B present information on total trans-oceanic cable capacity, from common and non-common carrier cables. Table 7-A lists operational and planned trans-oceanic cables licensed by the Commission that provide or will provide international services to and from the United States.¹³ Table 7-B provides additional information about FCC licensing of the cables.

Table 7-A provides existing and projected cable capacity in 64 Kbps units from 2005 to 2014 (and in Gbps from 2007 to 2014), as derived from cable landing license applications and updated capacity information from cable operators. For all three oceanic regions (trans-Atlantic, Americas, and trans-Pacific) combined, cable capacity grew 19.19 percent in 2011: 21.4 percent in the trans-Atlantic region (regional codes 1, 2, 3, and 9); 52.0 percent in the Americas region (regional codes 4, 5, and 6); and 6.2 percent in the trans-Pacific region (regional codes 7 and 8).

Table 7-A also includes the reported activated and idle cable circuits as a percentage of total reported available cable capacity for the three oceanic regions.¹⁴ In previous years, the reports have shown a discrepancy between reported capacity (activated plus idle circuits) and available capacity. We have identified three reasons for the discrepancy. First, as discussed above, the section 43.82 reporting requirements only apply to common carriers, and not to non-common carriers. Much of the capacity on non-common carrier cables is sold to end-users, including U.S. Internet Service Providers (ISPs), foreign carriers, and foreign ISPs. In those situations, neither the cable owner nor the cable user is required to report the capacity. Second, foreign carriers hold significant amounts of U.S.-international cable capacity and are not required to report their capacity under section 43.82 unless they use their capacity for the provision of U.S.-international service. Third, for any new or upgraded cable system, a substantial amount of capacity that is actually activated or idle may be underreported as the new system or upgraded capacity becomes operational. Several cables in the Americas region were recently upgraded.

Data for 2011 show a pattern that is similar to previous years: cable capacity reported pursuant to section 43.82 (activated and idle circuits) understates the actual amount of capacity that is in use. For all three regions combined, the reported activated and idle cable capacity accounted for only 7.9 percent of the total available cable capacity; activated circuits accounted for 5.4 percent of total available capacity. For the trans-Atlantic region, the reported circuits for 2011 accounted for 12.0 percent of the total trans-Atlantic available cable capacity; activated circuits accounted

¹³ Table 7-A does not list or provide capacity information about U.S.-licensed undersea cables that connect points within the United States, or between the continental U.S. and Alaska, and inter-island cables in Hawaii and the Commonwealth of the Northern Mariana Islands.

¹⁴ Activated circuits include backup and redundant circuits.

for 8.4 percent of the region's total available capacity. In the Americas region, the reported activated and idle cable capacity accounted for 0.9 percent of total Americas region available cable capacity; activated circuits accounted for 0.8 percent of the region's total available capacity.¹⁵ In the trans-Pacific region, the reported activated and idle cable capacity accounted for 6.9 percent of the total trans-Pacific available cable capacity; activated circuits accounted for 4.4 percent of the region's total available capacity. The reasons for this discrepancy between reported capacity and available capacity in previous years, discussed above, appear to continue to apply to the data for 2011.

Upcoming Changes to the Circuit Status Report

In 2013, the Commission adopted significant changes to the international reporting requirements to streamline and modernize the circuit status reports.¹⁶ These changes eliminate the requirement to report international circuits by U.S.-international route. Under the revised requirements, facilities-based common carriers will only report their world total aggregate activated 64 Kbps terrestrial and satellite circuits. Satellite operators will report their world total aggregate activated 64 Kbps non-common carrier circuits. Common carriers and cable landing licensees will report data on their capacity on international submarine cables by cable system. Cable landing licensees will also report data on the capacity of the international submarine cables that serve the United States. These revised reporting requirements have not gone into effect yet,¹⁷ and were not in effect for the 2011 data discussed in this report.

¹⁵ There were several major cable upgrades in the Americas region, and available cable capacity increased 52 percent from 2010 to 2011. This resulted in a large percentage decrease from 2010 to 2011 in the number of reported circuits as compared to overall capacity.

¹⁶ See *Reporting Requirements for U.S. Providers of International Telecommunications Services, Amendment of Part 43 of the Commission's Rules*, IB Docket No. 04-112, Second Report and Order, 28 FCC Rcd 575, 601-08, ¶¶ 89-108 (2013) recon. pending.

¹⁷ See *Carriers Should Continue to File Annual International Traffic and Revenue Reports and Circuit-Status Reports Pursuant to Section 43.61 and 43.82 of the Commission's Rules*, Public Notice, DA 13-165 (Int'l Bur. rel. Feb. 7, 2013), available at http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0207/DA-13-165A1.pdf.

TABLE - 1
INTERNATIONAL CARRIERS THAT FILED 43.82 CIRCUIT STATUS DATA
As of 12/31/2011

No.	Note	Company
1	1	AT&T
2	1	BCE Nexxia Voice Services Corporation
3		Belgacom International Carrier Services North America, Inc. (BICSNA)
4	1	Bestel (USA), Inc.
5		Bharti Airtel Limited
6		Brasil Telecom of America, Inc.
7		BT Americas, Inc.
8		Cable & Wireless Americas Operations, Inc.
9		China Telecom (Americas) Corporation
10	1	China Unicom USA Coproation
11	3	Cincinnati Bell Any Distance Inc.
12		Cinco Telecom Corporation
13		FiberSat Telecommunication Corp.
14	2	First Telecom Services, LLC
15		France Telecom Long Distance USA, LLC
16		Frontier Communications of America, Inc.
17		Global Crossing Bandwidth, Inc.
18		Global Crossing Telecommunications, Inc.
19	1,2	GTI Corporation
20	2	Guam Telecom, LLC
21		IDT Telecom, Inc.
22		Impsat USA, Inc.
23	2	Inmarsat Solutions (US) Inc.
24		IT&E Overseas, Inc.
25	1	Iusatel USA, Inc.
26	3	Japan Telecom America, Inc.
27		KDDI America, Inc.
28	3	KT America, Inc.
29		Level 3 Communications, LLC
30	1	MCI International Inc.
31	1	Navigata Communications 2009, Inc.
32	1	New Century InfoComm Tech Co. Ltd
33	3	NTS Communications
34		NTT America, Inc.
35	1	Office des postes et telecommunications de Polynesie francaise (OPT)
36	1	PCCW Global Limited
37		Primus Telecommunications, Inc.
38		Qwest Communications Company, LLC d/b/a Century Link QCC
39	1	Reach Services (USA) Inc.
40		Reliance Communications, Inc.
41	1	Saskatchewan Telecommunications (SaskTel)
42		Satellite Communication Systems, Inc.
43	1	Sidera Networks, LLC
44	1	Singapore Telecom USA, Inc.
45		SMITCOMS, INC.
46	1	Sprint Communications Company L.P.
47		Stratos Mobile Networks, Inc.
48		Stratos Offshore Services Company
49	1	Tata Communications (America) Inc. f/k/a Teleglobe America Inc.
50		Telecom Italia Sparkle of North America, Inc. (TISNA)

TABLE - 1
INTERNATIONAL CARRIERS THAT FILED 43.82 CIRCUIT STATUS DATA
As of 12/31/2011

No.	Note	Company
51		Telefonica Larga Distancia de Puerto Rico, Inc. (TLD)
52		Telefonica USA, Inc. (TDATA)
53	1	TeleGuam Holdings, LLC
54	1	TeliaSonera International Carrier, Inc.
55	1	Telstra Incorporated
56	1	TELUS Communications Company
57		TM USA, Inc.
58	1	Trilogy International Enterprises, LLC
59	1	T-Systems North America, Inc.
60	1	tw telecom inc.

Notes:

- 1 Carriers that requested confidential treatment.
- 2 New Carriers that filed 43.82 data for the first time.
- 3 Carriers that did not report active or idle circuits in 2011.

TABLE 2 - Cable Circuit Status 2008 - 2011

		2011 Cable					2010 Cable					2009 Cable					2008 Cable				
Reg Code	Country	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
8	Fiji	357	1	0	358	3	417	1	0	418	3	417	1	2	420	3	356	1	0	357	4
8	French Polynesia	0	120,960	0	120,960	151,200	0	60,480	0	60,480	181,440	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	60	0	0	60	0	2	0	0	2	58	0	0	0	0	0	0	0	0	0	0
8	Micronesia, Fed. States of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Zealand	1,796	132,587	8,068	142,451	29,235	2,900	3,057	17,817	23,774	8,094	2,982	3,040	17,670	23,692	7,385	2,351	3,040	21,197	26,588	189
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Pacific Islands (Palau)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
8	Papua New Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Albania	180	0	0	180	0	180	0	0	180	0	180	0	0	180	0	90	0	0	90	0
9	Armenia	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
9	Azerbaijan	149	0	0	149	0	209	0	0	209	120	209	0	1	210	0	119	0	0	119	0
9	Belarus	629	0	0	629	0	629	0	0	629	0	390	0	0	390	0	120	0	0	120	0
9	Bosnia and Herzegovina	119	0	0	119	0	119	0	0	119	0	119	0	0	119	0	89	0	0	89	0
9	Bulgaria	179	0	0	179	0	179	0	4	183	0	179	79	8	266	26	547	0	2	549	74
9	Croatia	449	0	0	449	0	449	0	0	449	0	270	0	1	271	0	149	0	0	149	61
9	Czech Republic	1,320	371,103	32	372,455	0	1,020	363,510	32	364,562	0	1,080	137,088	34	138,202	0	990	8,064	0	9,054	0
9	Estonia	179	0	0	179	0	179	0	0	179	0	179	0	3	182	0	149	0	0	149	30
9	Georgia	29	0	0	29	0	119	0	0	119	0	0	0	0	0	0	0	0	0	0	0
9	Hungary	568	0	0	568	0	568	0	0	568	0	568	0	0	568	0	658	0	1	659	59
9	Kazakhstan	89	0	0	89	0	89	0	0	89	0	89	0	2	91	0	59	0	0	59	30
9	Kyrgyzstan	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
9	Latvia	89	0	0	89	0	89	0	0	89	0	90	0	1	91	0	60	0	0	60	0
9	Lithuania	300	0	0	300	0	300	0	0	300	0	300	0	2	302	0	300	0	0	300	0
9	Moldova	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Poland	2,152	32	0	2,184	126	2,212	32	0	2,244	2	2,331	32	10	2,373	2,702	1,614	32	143	1,789	1,751
9	Romania	478	0	0	478	1	476	0	0	476	3	356	0	5	361	1	208	0	0	208	1
9	Russia	5,027	92	4	5,123	22	4,704	8	2	4,714	22	4,676	32	6	4,714	53	3,411	116	1	3,528	684
9	Serbia	120	0	0	120	0	120	0	0	120	0	211	0	1	212	0	207	0	0	207	1
9	Slovakia	60	0	0	60	0	60	0	0	60	0	60	0	1	61	0	183	0	156	339	0
9	Slovenia	150	0	0	150	60	150	0	64	214	56	150	0	64	214	0	90	0	32	122	28
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	899	0	0	899	0	899	0	0	899	120	838	1	0	839	30	538	1	0	539	240
9	Uzbekistan	208	0	0	208	60	208	0	0	208	60	178	0	0	178	0	148	0	0	148	0
10	Antarctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Total International Points	653,531	16,376,672	7,354,098	24,384,301	11,518,031	608,988	13,700,736	6,845,120	21,154,844	10,622,892	617,600	7,029,050	5,091,604	12,738,254	13,421,814	501,378	3,917,673	4,290,796	8,709,847	5,988,429
	Activated Circuits %				<u>67.9%</u>					<u>66.6%</u>					<u>48.7%</u>					<u>59.3%</u>	
	Idle Circuits %					<u>32.1%</u>					<u>33.4%</u>					<u>51.3%</u>					<u>40.7%</u>
	Service Mix	<u>2.7%</u>	<u>67.2%</u>	<u>30.2%</u>	<u>100.0%</u>		<u>2.9%</u>	<u>64.8%</u>	<u>32.4%</u>	<u>100.0%</u>		<u>4.8%</u>	<u>55.2%</u>	<u>40.0%</u>	<u>100.0%</u>		<u>5.8%</u>	<u>45.0%</u>	<u>49.3%</u>	<u>100.0%</u>	

TABLE 2 - Cable Circuit Status 2008 - 2011

Reg Code	Country	2011 Cable					2010 Cable					2009 Cable					2008 Cable				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Summary																				
1	Western Europe	258,095	9,381,028	5,775,563	15,414,686	6,816,903	239,599	9,185,535	5,218,166	14,643,300	5,000,516	264,819	3,734,612	3,895,694	7,895,125	7,551,902	240,813	1,666,658	3,562,109	5,469,580	4,480,988
2	Africa	12,230	25,898	2	38,130	3,053	14,112	26,201	2	40,315	1,087	11,179	26,301	88	37,568	2,230	7,649	11,480	35	19,164	1,751
3	Middle East	32,796	9,853	0	42,649	3,876	26,662	13,464	180	40,306	4,594	23,753	9,264	161	33,178	7,712	17,744	34,499	120	52,363	5,604
4	Caribbean	19,999	102,297	6,358	128,654	42,392	20,311	391,960	27,438	439,709	127,502	18,934	341,064	27,976	387,974	85,122	15,588	124,367	36,174	176,129	39,631
5	North and Central America	15,919	74,270	12,496	102,685	23,732	21,175	48,337	9,085	78,597	24,502	14,200	49,031	8,064	71,295	75,227	10,322	45,100	6,228	61,650	13,950
6	South America	25,158	252,234	173,061	450,453	52,298	22,891	160,906	209,843	393,640	68,256	22,999	140,439	142,951	306,389	94,282	27,098	292,177	97,260	416,535	55,874
7	Asia	264,674	5,489,558	1,261,570	7,015,802	4,119,202	236,474	3,200,423	1,271,470	4,708,367	4,857,457	233,684	2,409,255	943,913	3,586,852	5,329,894	158,123	1,684,291	521,061	2,363,475	1,355,818
8	Oceania	11,287	670,307	125,012	806,606	456,306	14,806	310,360	108,834	434,000	538,595	15,579	181,852	72,616	270,047	272,633	14,312	50,888	67,474	132,674	31,854
9	Eastern Europe	13,373	371,227	36	384,636	269	12,958	363,550	102	376,610	383	12,453	137,232	141	149,826	2,812	9,729	8,213	335	18,277	2,959
10	Other Regions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Total International Points	653,531	16,376,672	7,354,098	24,384,301	11,518,031	608,988	13,700,736	6,845,120	21,154,844	10,622,892	617,600	7,029,050	5,091,604	12,738,254	13,421,814	501,378	3,917,673	4,290,796	8,709,847	5,988,429
	Regional % as of Total																				
1	Western Europe	39.5%	57.3%	78.5%	63.2%	59.2%	39.3%	67.0%	76.2%	69.2%	47.1%	42.9%	53.1%	76.5%	62.0%	56.3%	48.0%	42.5%	83.0%	62.8%	74.8%
2	Africa	1.9%	0.2%	0.0%	0.2%	0.0%	2.3%	0.2%	0.0%	0.2%	0.0%	1.8%	0.4%	0.0%	0.3%	0.0%	1.5%	0.3%	0.0%	0.2%	0.0%
3	Middle East	5.0%	0.1%	0.0%	0.2%	0.0%	4.4%	0.1%	0.0%	0.2%	0.0%	3.8%	0.1%	0.0%	0.3%	0.1%	3.5%	0.9%	0.0%	0.6%	0.1%
4	Caribbean	3.1%	0.6%	0.1%	0.5%	0.4%	3.3%	2.9%	0.4%	2.1%	1.2%	3.1%	4.9%	0.5%	3.0%	0.6%	3.1%	3.2%	0.8%	2.0%	0.7%
5	North and Central America	2.4%	0.5%	0.2%	0.4%	0.2%	3.5%	0.4%	0.1%	0.4%	0.2%	2.3%	0.7%	0.2%	0.6%	0.6%	2.1%	1.2%	0.1%	0.7%	0.2%
6	South America	3.8%	1.5%	2.4%	1.8%	0.5%	3.8%	1.2%	3.1%	1.9%	0.6%	3.7%	2.0%	2.8%	2.4%	0.7%	5.4%	7.5%	2.3%	4.8%	0.9%
7	Asia	40.5%	33.5%	17.2%	28.8%	35.8%	38.8%	23.4%	18.6%	22.3%	45.7%	37.8%	34.3%	18.5%	28.2%	39.7%	31.5%	43.0%	12.1%	27.1%	22.6%
8	Oceania	1.7%	4.1%	1.7%	3.3%	4.0%	2.4%	2.3%	1.6%	2.1%	5.1%	2.5%	2.6%	1.4%	2.1%	2.0%	2.9%	1.3%	1.6%	1.5%	0.5%
9	Eastern Europe	2.0%	2.3%	0.0%	1.6%	0.0%	2.1%	2.7%	0.0%	1.8%	0.0%	2.0%	2.0%	0.0%	1.2%	0.0%	1.9%	0.2%	0.0%	0.2%	0.0%
10	Other Regions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
13	Total International Points	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Service Mix By Region																				
1	Western Europe	1.7%	60.9%	37.5%	100.0%		1.6%	62.7%	35.6%	100.0%		3.4%	47.3%	49.3%	100.0%		4.4%	30.5%	65.1%	100.0%	
2	Africa	32.1%	67.9%	0.0%	100.0%		35.0%	65.0%	0.0%	100.0%		29.8%	70.0%	0.2%	100.0%		39.9%	59.9%	0.2%	100.0%	
3	Middle East	76.9%	23.1%	0.0%	100.0%		66.1%	33.4%	0.4%	100.0%		71.6%	27.9%	0.5%	100.0%		33.9%	65.9%	0.2%	100.0%	
4	Caribbean	15.5%	79.5%	4.9%	100.0%		4.6%	89.1%	6.2%	100.0%		4.9%	87.9%	7.2%	100.0%		8.9%	70.6%	20.5%	100.0%	
5	North and Central America	15.5%	72.3%	12.2%	100.0%		26.9%	61.5%	11.6%	100.0%		19.9%	68.8%	11.3%	100.0%		16.7%	73.2%	10.1%	100.0%	
6	South America	5.6%	56.0%	38.4%	100.0%		5.8%	40.9%	53.3%	100.0%		7.5%	45.8%	46.7%	100.0%		6.5%	70.1%	23.3%	100.0%	
7	Asia	3.8%	78.2%	18.0%	100.0%		5.0%	68.0%	27.0%	100.0%		6.5%	67.2%	26.3%	100.0%		6.7%	71.3%	22.0%	100.0%	
8	Oceania	1.4%	83.1%	15.5%	100.0%		3.4%	71.5%	25.1%	100.0%		5.8%	67.3%	26.9%	100.0%		10.8%	38.4%	50.9%	100.0%	
9	Eastern Europe	3.5%	96.5%	0.0%	100.0%		3.4%	96.5%	0.0%	100.0%		8.3%	91.6%	0.1%	100.0%		53.2%	44.9%	1.8%	100.0%	
10	Other Regions																				
	Total International Points	2.7%	67.2%	30.2%	100.0%		2.9%	64.8%	32.4%	100.0%		4.8%	55.2%	40.0%	100.0%		5.8%	45.0%	49.3%	100.0%	
	Transmission Mix (% of total)				<u>84.56%</u>					<u>86.7%</u>					<u>81.4%</u>					<u>84.1%</u>	

TABLE 2 - Cable Circuit Status 2008 - 2011

		2011 Cable					2010 Cable					2009 Cable					2008 Cable				
Reg Code	Country	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Growth																				
1	Western Europe	8%	2%	11%	5%	36%	-10%	146%	34%	85%	-34%	10%	124%	9%	44%	69%					
2	Africa	-13%	-1%	0%	-5%	181%	26%	0%	-98%	7%	-51%	46%	129%	151%	96%	27%					
3	Middle East	23%	-27%	-100%	6%	-16%	12%	45%	12%	21%	-40%	34%	-73%	34%	-37%	38%					
4	Caribbean	-2%	-74%	-77%	-71%	-67%	7%	15%	-2%	13%	50%	21%	174%	-23%	120%	115%					
5	North and Central America	-25%	54%	38%	31%	-3%	49%	-1%	13%	10%	-67%	38%	9%	29%	16%	439%					
6	South America	10%	57%	-18%	14%	-23%	0%	15%	47%	28%	-28%	-15%	-52%	47%	-26%	69%					
7	Asia	12%	72%	-1%	49%	-15%	1%	33%	35%	31%	-9%	48%	43%	81%	52%	293%					
8	Oceania	-24%	116%	15%	86%	-15%	-5%	71%	50%	61%	98%	9%	257%	8%	104%	756%					
9	Eastern Europe	3%	2%	-65%	2%	-30%	4%	165%	-28%	151%	-86%	28%	1571%	-58%	720%	-5%					
10	Other Regions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%					
13	Total International Points	7%	20%	7%	15%	8%	-1%	95%	34%	66%	-21%	23%	79%	19%	46%	124%					

TABLE 3 - Satellite Circuit Status 2008 - 2011

Reg Code	Country	2011 Satellite					2010 Satellite					2009 Satellite					2008 Satellite				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	24	0
1	Austria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Belgium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Denmark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Germany	0	2	0	2	0	0	2	0	2	0	0	2	0	2	0	0	2	0	2	0
1	Gibraltar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greece	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greenland	0	0	0	0	630	0	0	0	0	699	0	0	0	0	0	8	0	8	0	0
1	Iceland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Italy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Malta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	0
1	Netherlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Norway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Portugal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Spain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Sweden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Switzerland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	United Kingdom	0	0	0	0	0	0	0	0	0	0	1470	0	1470	0	0	0	0	0	0	0
2	Algeria	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
2	Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Benin	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Botswana	15	0	0	15	0	15	0	0	15	0	15	0	0	15	0	30	0	0	30	0
2	Burkina	29	0	0	29	0	29	0	0	29	0	30	0	0	30	0	30	0	0	30	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	0	24	0	24	0	0	24	0	24	0	0	24	0	24	0	0	24	0	24	0
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	30	0	0	30	0	0	0	0	0	0	30	0	0	30	0	30	0	0	30	0
2	Central African Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Chad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	30	30	0	60	0	90	30	0	120	0	0	0	0	0	0	0	0	0	0	0
2	Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	28	1
2	Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Equatorial Guinea	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
2	Ethiopia	177	8	0	185	0	178	8	0	186	0	178	8	0	186	0	178	8	0	186	0
2	Gabon	0	0	0	0	0	23	0	0	23	0	23	0	0	23	0	23	1	0	24	0
2	Gambia, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ghana	30	0	0	30	0	29	0	0	29	0	60	0	0	60	0	89	0	0	89	0
2	Guinea	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	30	29	0	59	1
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	59	0	0	59	0	59	0	0	59	16	89	1	0	90	15	89	2	0	91	14
2	Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0
2	Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	58	0	0	58	1	58	0	0	58	1	58	1	0	59	0	58	1	0	59	0
2	Mali	45	0	0	45	0	45	0	0	45	0	45	0	0	45	0	45	0	0	45	0
2	Mauritania	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0
2	Mauritius	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0
2	Morocco	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0	30	0	0	30	0

TABLE 3 - Satellite Circuit Status 2008 - 2011

Reg Code	Country	2011 Satellite					2010 Satellite					2009 Satellite					2008 Satellite				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
8	Marshall Islands	30	24	0	54	0	60	723	0	783	0	60	724	0	784	7	52	732	0	784	7
8	Micronesia, Federated States of	30	3	0	33	1	38	27	0	65	1	38	27	0	65	1	38	27	0	65	1
8	Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Pacific Islands (Palau)	16	2	0	18	0	16	11	0	27	0	38	11	0	49	0	16	38	0	54	1
8	Papua New Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	16	0	0	16	2	16	0	0	16	2	46	2	0	48	0	16	2	0	18	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0	8	0	0	8	0
9	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Armenia	0	0	0	0	0	28	0	0	28	0	90	0	0	90	0	92	0	0	92	0
9	Azerbaijan	0	0	0	0	6	0	0	0	6	6	0	6	0	6	0	0	6	0	6	0
9	Belarus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0	59	0
9	Bosnia and Herzegovina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Czech Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Estonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	58	0
9	Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Kazakhstan	0	0	0	0	8	0	3	1	4	16	0	4	0	4	16	0	4	0	4	16
9	Kyrgyzstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Latvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Lithuania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Moldova	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Poland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0
9	Romania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Russia	0	2	0	2	1	0	2	0	2	31	0	1	0	1	1	0	13	0	13	1
9	Serbia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovakia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	0	0	0	0	4	0	0	0	0	4	0	0	0	0	4	0	0	0	0	4
9	Ukraine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Uzbekistan	0	0	0	0	0	0	0	0	0	0	0	32	0	32	0	0	32	0	32	0
10	Antarctica	0	45	0	45	0	0	24	0	24	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total International Points	3,325	4,564	0	7,889	720	3,678	4,020	700	8,398	866	4,289	3,807	1,890	9,986	143	5,591	7,941	2	13,534	179
	Activated Circuits %				91.6%					90.7%					98.6%					98.7%	
	Idle Circuits %					8.4%					9.3%					1.4%					1.3%
	Service Mix	42.1%	57.9%	0.0%	100.0%		43.8%	47.9%	8.3%	100.0%		43.0%	38.1%	18.9%	100.0%		41.3%	58.7%	0.0%	100.0%	

TABLE 3 - Satellite Circuit Status 2008 - 2011

Reg Code	Country	2011 Satellite					2010 Satellite					2009 Satellite					2008 Satellite				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Total																				
1	Western Europe	0	2	0	2	630	0	2	0	2	699	0	1,472	0	1,472	0	8	36	0	44	0
2	Africa	878	63	0	941	6	1,009	63	0	1,072	28	986	72	0	1,058	21	1,255	787	0	2,042	21
3	Middle East	620	185	0	805	25	589	187	0	776	25	693	7	0	700	24	748	1,186	0	1,934	25
4	Caribbean	436	3,642	0	4,078	0	643	2,415	699	3,757	0	848	851	1,890	3,589	15	1,283	2,367	0	3,650	19
5	North and Central America	60	221	0	281	0	118	229	0	347	0	208	209	0	417	0	461	209	0	670	0
6	South America	540	197	0	737	7	630	177	0	807	7	735	104	0	839	8	764	133	2	899	7
7	Asia	691	178	0	869	30	509	157	0	666	31	525	284	0	809	31	674	2,368	0	3,042	62
8	Oceania	100	29	0	129	3	152	761	0	913	19	204	765	0	969	23	159	800	0	959	24
9	Eastern Europe	0	2	0	2	19	28	5	1	34	57	90	43	0	133	21	239	55	0	294	21
10	Other Regions	0	45	0	45	0	0	24	0	24	0	0	0	0	0	0	0	0	0	0	0
	Total International Points	3,325	4,564	0	7,889	720	3,678	4,020	700	8,398	866	4,289	3,807	1,890	9,986	143	5,591	7,941	2	13,534	179
	Regional % of Total																				
1	Western Europe	0.0%	0.0%	0.0%	0.0%	87.5%	0.0%	0.0%	0.0%	0.0%	80.7%	0.0%	38.7%	0.0%	14.7%	0.0%	0.1%	0.5%	0.0%	0.3%	0.0%
2	Africa	26.4%	1.4%	11.9%	0.8%	27.4%	1.6%	0.0%	12.8%	3.2%	23.0%	1.9%	0.0%	10.6%	14.7%	22.4%	9.9%	0.0%	15.1%	11.7%	
3	Middle East	18.6%	4.1%	10.2%	3.5%	16.0%	4.7%	0.0%	9.2%	2.9%	16.2%	0.2%	0.0%	7.0%	16.8%	13.4%	14.9%	0.0%	14.3%	14.0%	
4	Caribbean	13.1%	79.8%	51.7%	0.0%	17.5%	60.1%	99.9%	44.7%	0.0%	19.8%	22.4%	100.0%	35.9%	10.5%	22.9%	29.8%	0.0%	27.0%	10.6%	
5	North and Central America	1.8%	4.8%	3.6%	0.0%	3.2%	5.7%	0.0%	4.1%	0.0%	4.8%	5.5%	0.0%	4.2%	0.0%	8.2%	2.6%	0.0%	5.0%	0.0%	
6	South America	16.2%	4.3%	9.3%	1.0%	17.1%	4.4%	0.0%	9.6%	0.8%	17.1%	2.7%	0.0%	8.4%	5.6%	13.7%	1.7%	100.0%	6.6%	3.9%	
7	Asia	20.8%	3.9%	11.0%	4.2%	13.8%	3.9%	0.0%	7.9%	3.6%	12.2%	7.5%	0.0%	8.1%	21.7%	12.1%	29.8%	0.0%	22.5%	34.6%	
8	Oceania	3.0%	0.6%	1.6%	0.4%	4.1%	18.9%	0.0%	10.9%	2.2%	4.8%	20.1%	0.0%	9.7%	16.1%	2.8%	10.1%	0.0%	7.1%	13.4%	
9	Eastern Europe	0.0%	0.0%	0.0%	2.6%	0.8%	0.1%	0.1%	0.4%	6.6%	2.1%	1.1%	0.0%	1.3%	14.7%	4.3%	0.7%	0.0%	2.2%	11.7%	
10	Other Regions	0.0%	1.0%	0.6%	0.0%	0.0%	0.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	Total International Points	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Service Mix By Region																				
1	Western Europe	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	0.0%	100.0%	0.0%	100.0%	0.0%	18.2%	81.8%	0.0%	100.0%	0.0%	
2	Africa	93.3%	6.7%	0.0%	100.0%	94.1%	5.9%	0.0%	100.0%	93.2%	6.8%	0.0%	100.0%	61.5%	38.5%	0.0%	100.0%	0.0%	100.0%		
3	Middle East	77.0%	23.0%	0.0%	100.0%	75.9%	24.1%	0.0%	100.0%	99.0%	1.0%	0.0%	100.0%	38.7%	61.3%	0.0%	100.0%	0.0%	100.0%		
4	Caribbean	10.7%	89.3%	0.0%	100.0%	17.1%	64.3%	18.6%	100.0%	23.6%	23.7%	52.7%	100.0%	35.2%	64.8%	0.0%	100.0%	0.0%	100.0%		
5	North and Central America	21.4%	78.6%	0.0%	100.0%	34.0%	66.0%	0.0%	100.0%	49.9%	50.1%	0.0%	100.0%	68.8%	31.2%	0.0%	100.0%	0.0%	100.0%		
6	South America	73.3%	26.7%	0.0%	100.0%	78.1%	21.9%	0.0%	100.0%	87.6%	12.4%	0.0%	100.0%	85.0%	14.8%	0.2%	100.0%	0.0%	100.0%		
7	Asia	79.5%	20.5%	0.0%	100.0%	76.4%	23.6%	0.0%	100.0%	64.9%	35.1%	0.0%	100.0%	22.2%	77.8%	0.0%	100.0%	0.0%	100.0%		
8	Oceania	77.5%	22.5%	0.0%	100.0%	16.6%	83.4%	0.0%	100.0%	21.1%	78.9%	0.0%	100.0%	16.6%	83.4%	0.0%	100.0%	0.0%	100.0%		
9	Eastern Europe	0.0%	100.0%	0.0%	100.0%	82.4%	14.7%	2.9%	100.0%	67.7%	32.3%	0.0%	100.0%	81.3%	18.7%	0.0%	100.0%	0.0%	100.0%		
10	Other Regions	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%	0.0%	100.0%		
	Total International Points	42.1%	57.9%	0.0%	100.0%	43.8%	47.9%	8.3%	100.0%	43.0%	38.1%	18.9%	100.0%	41.3%	58.7%	0.0%	100.0%	0.0%	100.0%		
	Transmission Mix (% of total)				0.03%				0.03%						0.06%					0.13%	

TABLE 3 - Satellite Circuit Status 2008 - 2011

Reg Code	Country	2011 Satellite					2010 Satellite					2009 Satellite					2008 Satellite					
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	
	Regional Annual Growth by Service																					
1	Western Europe	n.a.	0%	n.a.	0%		n.a.	-100%	n.a.	-100%		-100%	3989%	n.a.	3245%							
2	Africa	-13%	0%	n.a.	-12%		2%	-13%	n.a.	1%		-21%	-91%	n.a.	-48%							
3	Middle East	5%	-1%	n.a.	4%		-15%	2571%	n.a.	11%		-7%	-99%	n.a.	-64%							
4	Caribbean	-32%	51%	-100%	9%		-24%	184%	-63%	5%		-34%	-64%	n.a.	-2%							
5	North and Central America	-49%	-3%	n.a.	-19%		-43%	10%	n.a.	-17%		-55%	0%	n.a.	-38%							
6	South America	-14%	11%	n.a.	-9%		-14%	70%	n.a.	-4%		-4%	-22%	-100%	-7%							
7	Asia	36%	13%	n.a.	30%		-3%	-45%	n.a.	-18%		-22%	-88%	n.a.	-73%							
8	Oceania	-34%	-96%	n.a.	-86%		-25%	-1%	n.a.	-6%		28%	-4%	n.a.	1%							
9	Eastern Europe	-100%	-60%	-100%	-94%		-69%	-88%	n.a.	-74%		-62%	-22%	n.a.	-55%							
10	Other Regions	0%	0%	n.a.	0%		0%	0%	n.a.	0%		0%	0%	n.a.	0%							
	Total International Points	-9.6%	13.5%	-100%	-6.1%		-14.2%	5.6%	-63%	-15.9%		-23.3%	-52.1%	94400%	-26.2%							

TABLE 4 - Terrestrial Circuit Status 2008 - 2011

Reg Code	Country	2011 Terrestrial					2010 Terrestrial					2009 Terrestrial					2008 Terrestrial				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
1	Andorra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Austria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Belgium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Denmark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Finland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Gibraltar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greece	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Greenland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Iceland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Italy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Malta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Netherlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Norway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Portugal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Spain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Sweden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Switzerland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	United Kingdom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Algeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Angola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Benin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Botswana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burkina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Burundi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cameroon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Canary Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cape Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Central African Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Chad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Congo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Cote d'Ivoire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Equatorial Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ethiopia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gabon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Gambia, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ghana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Guinea-Bissau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Kenya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Liberia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Madagascar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Malawi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mali	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mauritania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mauritius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 - Terrestrial Circuit Status 2008 - 2011

Reg Code	Country	2011 Terrestrial					2010 Terrestrial					2009 Terrestrial					2008 Terrestrial				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
2	Morocco	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Mozambique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Niger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Reunion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rwanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Saint Helena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sao Tome and Principe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Senegal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Swaziland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tanzania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Togo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Uganda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Western Sahara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zaire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zambia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Iraq	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Jordan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Kuwait	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Syria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	United Arab Emirates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Anguilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Antigua and Barbuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Aruba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Bahamas, The	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Bermuda	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cayman Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cuba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Dominica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Dominican Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	French Overseas Departments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Grenada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Guadeloupe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Haiti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Jamaica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Montserrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Netherlands Antilles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Kitts and Nevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Lucia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Saint Vincent and the Grenadines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4 - Terrestrial Circuit Status 2008 - 2011

Reg Code	Country	2011 Terrestrial					2010 Terrestrial					2009 Terrestrial					2008 Terrestrial				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
8	Fiji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	French Polynesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Marshall Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Micronesia, Federated States of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Caledonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Norfolk Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Pacific Islands (Palau)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Papua New Guinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Solomon Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tonga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Tuvalu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vanuatu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Wallis and Futuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Western Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Armenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Azerbaijan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Belarus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bosnia and Herzegovina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Czech Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Estonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Hungary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Kazakhstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Kyrgyzstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Latvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Lithuania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Moldova	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Poland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Romania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Russia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Serbia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovakia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Slovenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Tajikistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Turkmenistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Ukraine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Uzbekistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Antarctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - other oceans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Maritime - Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total for all International Points	331,902	2,013,844	2,098,906	4,444,652	3,032,437	345,031	1,105,442	1,789,828	3,240,301	3,390,243	376,669	1,033,699	1,488,514	2,898,882	1,892,179	316,416	837,377	480,925	1,634,718	1,159,578
	Activate Circuits %				59.4%					48.9%					60.5%					58.5%	
	Idle Circuits %					40.6%					51.1%					39.5%					41.5%
	Service Mix	7.5%	45.3%	47.2%	100.0%		10.6%	34.1%	55.2%	100.0%		13.0%	35.7%	51.3%	100.0%		19.4%	51.2%	29.4%	100.0%	

TABLE 4 - Terrestrial Circuit Status 2008 - 2011

Reg Code	Country	2011 Terrestrial					2010 Terrestrial					2009 Terrestrial					2008 Terrestrial				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Total																				
1	Western Europe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Middle East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Caribbean	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	North and Central America	331,743	2,013,481	2,098,906	4,444,130	3,032,437	344,902	1,105,442	1,789,828	3,240,172	3,390,243	376,669	1,033,699	1,488,514	2,898,882	1,892,179	316,416	837,377	480,925	1,634,718	1,159,578
6	South America	0	345	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Asia	159	0	0	159	0	129	0	0	129	0	0	0	0	0	0	0	0	0	0	0
8	Oceania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Eastern Europe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Other Regions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total for all International Points	331,902	2,013,844	2,098,906	4,444,652	3,032,437	345,031	1,105,442	1,789,828	3,240,301	3,390,243	376,669	1,033,699	1,488,514	2,898,882	1,892,179	316,416	837,377	480,925	1,634,718	1,159,578
	Regional % of Total																				
1	Western Europe	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Africa	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Middle East	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Caribbean	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5	North and Central America	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
6	South America	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
7	Asia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8	Oceania	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9	Eastern Europe	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10	Other Regions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total for all International Points	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Service Mix By Region																				
1	Western Europe	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
2	Africa	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
3	Middle East	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
4	Caribbean	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
5	North and Central America	7.5%	45.3%	47.2%	100.0%		10.6%	34.1%	55.2%	100.0%		13.0%	35.7%	51.3%	100.0%		19.4%	51.2%	29.4%	100.0%	
6	South America	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
7	Asia	100.0%	0.0%	0.0%	100.0%		100.0%	0.0%	0.0%	100.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
8	Oceania	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
9	Eastern Europe	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
10	Other Regions	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	
	Total for all International Points	7.5%	45.3%	47.2%	100.0%		10.6%	34.1%	55.2%	100.0%		13.0%	35.7%	51.3%	100.0%		19.4%	51.2%	29.4%	100.0%	
	Transmission Mix (% of total)				15.41%					13.28%					18.53%					15.78%	

TABLE 4 - Terrestrial Circuit Status 2008 - 2011

Reg Code	Country	2011 Terrestrial					2010 Terrestrial					2009 Terrestrial					2008 Terrestrial				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Annual Growth by Service																				
1	Western Europe	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
2	Africa	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
3	Middle East	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
4	Caribbean	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
5	North and Central America	-4%	82%	17%	37%		-8%	7%	20%	12%		19%	23%	210%	77%	63%					
6	South America	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
7	Asia	23%	0%	0%	23%		0%	0%	0%	0%		0%	0%	0%	0%						
8	Oceania	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
9	Eastern Europe	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
10	Other Regions	0%	0%	0%	0%		0%	0%	0%	0%		0%	0%	0%	0%						
	Total for all International Points	-4%	82%	17%	37%		-8%	7%	20%	12%		19%	23%	210%	77%	63%					

* Some carriers use terrestrial circuits to transport their traffic to Canada, and satellite circuits to send their traffic to a final destination other than Canada. To avoid double counting, a carrier is required to report its initial facility used for each international point traffic; therefore, this table reports as "terrestrial" some circuits between the United States and countries that are not actually reached by terrestrial links (through microwave or terrestrial cables) from the United States.

TABLE 5 - Combined Circuit Status 2008 - 2011

Reg Code	Country	2011 Combined					2010 Combined					2009 Combined					2008 Combined				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Total																				
1	Western Europe	258,095	9,381,030	5,775,563	15,414,688	6,817,533	239,599	9,185,537	5,218,166	14,643,302	5,001,215	264,819	3,736,084	3,895,694	7,896,597	7,551,902	240,821	1,666,694	3,562,109	5,469,624	4,480,988
2	Africa	13,108	25,961	2	39,071	3,059	15,121	26,264	2	41,387	1,115	12,165	26,373	88	38,626	2,251	8,904	12,267	35	21,206	1,772
3	Middle East	33,416	10,038	0	43,454	3,901	27,251	13,651	180	41,082	4,619	24,446	9,271	161	33,878	7,736	18,492	35,685	120	54,297	5,629
4	Caribbean	20,435	105,957	6,358	132,750	42,392	20,954	394,375	28,137	443,466	127,502	19,782	341,915	29,866	391,563	85,137	16,871	126,734	36,174	179,779	39,650
5	North and Central America	347,722	2,087,972	2,111,402	4,547,096	3,056,169	366,195	1,154,008	1,798,913	3,319,116	3,414,745	391,077	1,082,939	1,496,578	2,970,594	1,967,406	327,199	882,686	487,153	1,697,038	1,173,528
6	South America	25,698	252,776	173,061	451,535	52,305	23,521	161,083	209,843	394,447	68,263	23,734	140,543	142,951	307,228	94,290	27,862	292,310	97,262	417,434	55,881
7	Asia	265,524	5,489,736	1,261,570	7,016,830	4,119,232	237,112	3,200,580	1,271,470	4,709,162	4,857,488	234,209	2,409,539	943,913	3,587,661	5,329,925	158,797	1,686,659	521,061	2,366,517	1,355,880
8	Oceania	11,387	670,336	125,012	806,735	456,309	14,958	311,121	108,834	434,913	538,614	15,783	182,617	72,616	271,016	272,656	14,471	51,688	67,474	133,633	31,878
9	Eastern Europe	13,373	371,229	36	384,638	288	12,986	363,555	103	376,644	440	12,543	137,275	141	149,959	2,833	9,968	8,268	335	18,571	2,980
10	Other Regions	0	45	0	45	0	0	24	0	24	0	0	0	0	0	0	0	0	0	0	0
	Total International Points	988,758	18,395,080	9,453,004	28,836,842	14,551,188	957,697	14,810,198	8,635,648	24,403,543	14,014,001	998,558	8,066,556	6,582,008	15,647,122	15,314,136	823,385	4,762,991	4,771,723	10,358,099	7,148,186
	Regional % of Total																				
1	Western Europe	26.1%	51.0%	61.1%	53.5%	46.9%	25.0%	62.0%	60.4%	60.0%	35.7%	26.5%	46.3%	59.2%	50.5%	49.3%	29.2%	35.0%	74.7%	52.8%	62.7%
2	Africa	1.3%	0.1%	0.0%	0.1%	0.0%	1.6%	0.2%	0.0%	0.2%	0.0%	1.2%	0.3%	0.0%	0.2%	0.0%	1.1%	0.3%	0.0%	0.2%	0.0%
3	Middle East	3.4%	0.1%	0.0%	0.2%	0.0%	2.8%	0.1%	0.0%	0.2%	0.0%	2.4%	0.1%	0.0%	0.2%	0.1%	2.2%	0.7%	0.0%	0.5%	0.1%
4	Caribbean	2.1%	0.6%	0.1%	0.5%	0.3%	2.2%	2.7%	0.3%	1.8%	0.9%	2.0%	4.2%	0.5%	2.5%	0.6%	2.0%	2.7%	0.8%	1.7%	0.6%
5	North and Central America	35.2%	11.4%	22.3%	15.8%	21.0%	38.2%	7.8%	20.8%	13.6%	24.4%	39.2%	13.4%	22.7%	19.0%	12.8%	39.7%	18.5%	10.2%	16.4%	16.4%
6	South America	2.6%	1.4%	1.8%	1.6%	0.4%	2.5%	1.1%	2.4%	1.6%	0.5%	2.4%	1.7%	2.2%	2.0%	0.6%	3.4%	6.1%	2.0%	4.0%	0.8%
7	Asia	26.9%	29.8%	13.3%	24.3%	28.3%	24.8%	21.6%	14.7%	19.3%	34.7%	23.5%	29.9%	14.3%	22.9%	34.8%	19.3%	35.4%	10.9%	22.8%	19.0%
8	Oceania	1.2%	3.6%	1.3%	2.8%	3.1%	1.6%	2.1%	1.3%	1.8%	3.8%	1.6%	2.3%	1.1%	1.7%	1.8%	1.8%	1.1%	1.4%	1.3%	0.4%
9	Eastern Europe	1.4%	2.0%	0.0%	1.3%	0.0%	1.4%	2.5%	0.0%	1.5%	0.0%	1.3%	1.7%	0.0%	1.0%	0.0%	1.2%	0.2%	0.0%	0.2%	0.0%
10	Other Regions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total International Points	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Service Mix By Region																				
1	Western Europe	1.7%	60.9%	37.5%	100.0%		1.6%	62.7%	35.6%	100.0%		3.4%	47.3%	49.3%	100.0%		4.4%	30.5%	65.1%	100.0%	
2	Africa	33.5%	66.4%	0.0%	100.0%		36.5%	63.5%	0.0%	100.0%		31.5%	68.3%	0.2%	100.0%		42.0%	57.8%	0.2%	100.0%	
3	Middle East	76.9%	23.1%	0.0%	100.0%		66.3%	33.2%	0.4%	100.0%		72.2%	27.4%	0.5%	100.0%		34.1%	65.7%	0.2%	100.0%	
4	Caribbean	15.4%	79.8%	4.8%	100.0%		4.7%	88.9%	6.3%	100.0%		5.1%	87.3%	7.6%	100.0%		9.4%	70.5%	20.1%	100.0%	
5	North and Central America	7.6%	45.9%	46.4%	100.0%		11.0%	34.8%	54.2%	100.0%		13.2%	36.5%	50.4%	100.0%		19.3%	52.0%	28.7%	100.0%	
6	South America	5.7%	56.0%	38.3%	100.0%		6.0%	40.8%	53.2%	100.0%		7.7%	45.7%	46.5%	100.0%		6.7%	70.0%	23.3%	100.0%	
7	Asia	3.8%	78.2%	18.0%	100.0%		5.0%	68.0%	27.0%	100.0%		6.5%	67.2%	26.3%	100.0%		6.7%	71.3%	22.0%	100.0%	
8	Oceania	1.4%	83.1%	15.5%	100.0%		3.4%	71.5%	25.0%	100.0%		5.8%	67.4%	26.8%	100.0%		10.8%	38.7%	50.5%	100.0%	
9	Eastern Europe	3.5%	96.5%	0.0%	100.0%		3.4%	96.5%	0.0%	100.0%		8.4%	91.5%	0.1%	100.0%		53.7%	44.5%	1.8%	100.0%	
10	Other Regions	0.0%	100.0%	0.0%	100.0%		0.0%	100.0%	0.0%	100.0%		0.0%	100.0%	0.0%	100.0%		0.0%	100.0%	0.0%	100.0%	
	Total International Points	3.4%	63.8%	32.8%	100.0%		3.9%	60.7%	35.4%	100.0%		6.4%	51.6%	42.1%	100.0%		7.9%	46.0%	46.1%	100.0%	
	Transmission Mix																				

TABLE 5 - Combined Circuit Status 2008 - 2011

Reg Code	Country	2011 Combined					2010 Combined					2009 Combined					2008 Combined				
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits	IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Active Total Circuits	Idle Total Circuits
	Regional Annual Growth by Service																				
1	Western Europe	8%	2%	11%	5%	36%	-10%	146%	34%	85%	-34%	\	124%	9%	44%	69%					
2	Africa	-13%	-1%	0%	-6%	174%	24%	0%	0%	7%	-50%	37%	115%	0%	82%	27%					
3	Middle East	23%	-26%	-100%	6%	-16%	11%	47%	12%	21%	-40%	32%	-74%	34%	-38%	37%					
4	Caribbean	-2%	-73%	0%	-70%	-67%	6%	15%	0%	13%	50%	17%	170%	0%	118%	115%					
5	North and Central America	-5%	81%	17%	37%	-11%	-6%	7%	20%	12%	74%	20%	23%	207%	75%	68%					
6	South America	9%	57%	-18%	14%	-23%	-1%	15%	47%	28%	-28%	-15%	-52%	47%	-26%	69%					
7	Asia	12%	72%	-1%	49%	-15%	1%	33%	35%	31%	-9%	47%	43%	81%	52%	293%					
8	Oceania	-24%	115%	15%	85%	-15%	-5%	70%	50%	60%	98%	9%	253%	8%	103%	755%					
9	Eastern Europe	3%	2%	-65%	2%	-35%	4%	165%	-27%	151%	-84%	26%	1560%	-58%	707%	-5%					
10	Other Regions	0%	88%	0%	88%	0%	0%	n.a.	0%	n.a.	0%	0%	n.a.	0%	n.a.	0%					
	Total International Points	3%	24%	9%	18%	4%	-4%	84%	31%	56%	-8%	21%	69%	38%	51%	114%					

Table 6 - 2011 Top 30 Countries Circuit Status

Rank	Country	2011 Combined							
		IMTS Total Circuits	P.L. Total Circuits	Other Total Circuits	Total Non-IMTS Circuits	Active Total Circuits	IMTS As % of Total Circuits	Non-IMTS As % of Total Circuits	Idle Total Circuits
1	United Kingdom	87,004	5,753,177	2,230,079	7,983,256	8,070,260	1.08%	98.92%	3,436,811
2	Japan	21,375	3,565,418	942,795	4,508,213	4,529,588	0.47%	99.53%	2,894,329
3	Germany	42,629	2,064,115	923,306	2,987,421	3,030,050	1.41%	98.59%	254,762
4	Canada	200,679	1,804,236	865,295	2,669,531	2,870,210	6.99%	93.01%	1,827,322
5	Denmark	31	8,064	2,013,932	2,021,996	2,022,027	0.00%	100.00%	70,611
6	Mexico	132,242	211,016	1,236,027	1,447,043	1,579,285	8.37%	91.63%	1,205,115
7	Hong Kong	21,519	964,531	180,567	1,145,098	1,166,617	1.84%	98.16%	619,481
8	Netherlands	12,130	993,292	143,541	1,136,833	1,148,963	1.06%	98.94%	564,552
9	France	19,072	333,662	456,636	790,298	809,370	2.36%	97.64%	1,742,382
10	Australia	9,074	416,759	116,944	533,703	542,777	1.67%	98.33%	275,868
11	China	20,000	451,206	16,414	467,620	487,620	4.10%	95.90%	62,415
12	Czech Republic	1,320	371,103	32	371,135	372,455	0.35%	99.65%	0
13	Switzerland	20,900	217,461	1,895	219,356	240,256	8.70%	91.30%	3,219
14	Singapore	11,332	144,376	24,828	169,204	180,536	6.28%	93.72%	35,183
15	Colombia	5,184	161,027	12,220	173,247	178,431	2.91%	97.09%	3,527
16	India	138,100	32,656	7,219	39,875	177,975	77.60%	22.40%	94,486
17	Taiwan	6,020	168,957	0	168,957	174,977	3.44%	96.56%	11,150
18	Brazil	8,072	47,883	112,914	160,797	168,869	4.78%	95.22%	18,565
19	Philippines	11,026	136,569	4,347	140,916	151,942	7.26%	92.74%	130,133
20	New Zealand	1,796	132,587	8,068	140,655	142,451	1.26%	98.74%	29,235
21	French Polynesia	0	120,960	0	120,960	120,960	0.00%	100.00%	151,200
22	Korea, South	13,089	12,001	85,258	97,259	110,348	11.86%	88.14%	256,918
23	Costa Rica	3,327	39,382	30	39,412	42,739	7.78%	92.22%	5,115
24	Netherlands Antilles	1,794	30,376	5,628	36,004	37,798	4.75%	95.25%	14,226
25	Argentina	1,128	28,482	4,618	33,100	34,228	3.30%	96.70%	15,910
26	Italy	24,372	3,293	321	3,614	27,986	87.09%	12.91%	8,341
27	Panama	1,982	15,062	9,956	25,018	27,000	7.34%	92.66%	10,901
28	Venezuela	3,414	2,961	19,335	22,296	25,710	13.28%	86.72%	3,407
29	South Africa	898	24,266	2	24,268	25,166	3.57%	96.43%	2,253
30	Bermuda	1,047	22,783	0	22,783	23,830	4.39%	95.61%	7,248
	Top 30 Routes	820,556	18,277,661	9,422,207	27,699,868	28,520,424	2.88%	97.12%	13,754,665
	Total International Points	988,758	18,395,080	9,453,004	27,848,084	28,836,842	3.43%	96.57%	14,551,188
	Top 30 routes as % of Total	82.99%	99.36%	99.67%	99.47%	98.90%			94.53%
	Regional Total								
	Western Europe	258,095	9,381,030	5,775,563	15,156,593	15,414,688	1.67%	98.33%	6,817,533
	Africa	13,108	25,961	2	25,963	39,071	33.55%	66.45%	3,059
	Middle East	33,416	10,038	0	10,038	43,454	76.90%	23.10%	3,901
	Caribbean	20,435	105,957	6,358	112,315	132,750	15.39%	84.61%	42,392
	North and Central America	347,722	2,087,972	2,111,402	4,199,374	4,547,096	7.65%	92.35%	3,056,169
	South America	25,698	252,776	173,061	425,837	451,535	5.69%	94.31%	52,305
	Asia	265,524	5,489,736	1,261,570	6,751,306	7,016,830	3.78%	96.22%	4,119,232
	Oceania	11,387	670,336	125,012	795,348	806,735	1.41%	98.59%	456,309
	Eastern Europe	13,373	371,229	36	371,265	384,638	3.48%	96.52%	288
	Other Regions	0	45	0	45	45	0.00%	100.00%	0
	Total for all International Points	988,758	18,395,080	9,453,004	27,848,084	28,836,842	3.43%	96.57%	14,551,188

TABLE 7- A - Available Trans-Oceanic Fiber Optic Cable Capacity

Data Sources : Cable capacity numbers are extracted from the FCC Cable Landing License Orders, pending applications, and update information provided by cable operators.

CABLES	in 64 Kbps Circuits										in Gbps							
	2005	2006	2007	2008	2009	2010	2011	2,012	2013 Est +	2014 Est +	2007	2008	2009	2010	2011	2012	2013 Est. +	2014 Est. +
TRANS - PACIFIC (T-P) - Operational as of 12/2012 :																		
PC-1	4,354,560	4,354,560	4,354,560	11,612,160	12,458,880	17,297,280	21,772,800	22,982,400	32,659,200	32,659,200	360.0	960.0	1,030.0	1,430.0	1,800.0	1,900.0	2,700.0	2,700.0
China-U.S. Cable Network	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	1,935,360	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
Southern Cross	5,806,080	5,806,080	5,806,080	10,402,560	10,402,560	14,999,040	14,999,040	19,837,440	30,481,920	30,481,920	480.0	860.0	860.0	1,240.0	1,240.0	1,640.0	2,520.0	2,520.0
Japan-U.S. Cable Network	9,676,800	9,676,800	9,676,800	22,982,400	26,369,280	27,820,800	30,240,000	30,602,880	57,939,840	57,939,840	800.0	1,900.0	2,180.0	2,300.0	2,500.0	2,530.0	4,790.0	4,790.0
Australia-Japan Cable (Guam)	967,680	967,680	1,935,360	6,289,920	6,289,920	6,289,920	7,741,440	14,515,200	14,515,200	14,515,200	160.0	520.0	520.0	520.0	640.0	1,200.0	1,200.0	1,200.0
TGN - Pacific	5,564,160	7,499,520	22,740,480	33,384,960	37,981,440	37,981,440	37,981,440	44,271,360	53,948,160	67,435,200	1,880.0	2,760.0	3,140.0	3,140.0	3,140.0	3,660.0	4,460.0	5,575.0
Trans-Pacific Express Cable System (TPE)				15,482,880	15,482,880	22,619,520	22,619,520	24,796,800	26,611,200	26,611,200	0.0	1,280.0	1,280.0	1,870.0	1,870.0	2,050.0	2,200.0	2,200.0
Telestra Endeavour (formerly Sydney-Hawaii)				967,680	967,680	1,935,360	3,628,800	3,628,800	3,628,800	3,628,800	0.0	80.0	80.0	160.0	300.0	300.0	300.0	300.0
Asia America Gateway Consortium (AAG)					6,531,840	6,531,840	7,015,680	18,627,840	18,627,840	18,627,840	0.0	0.0	540.0	540.0	580.0	1,540.0	1,540.0	1,540.0
PPC 1					1,693,440	1,693,440	1,693,440	1,693,440	1,693,440	1,693,440	0.0	0.0	140.0	140.0	140.0	140.0	140.0	140.0
American Samoa Hawaii Cable					13,548	13,548	13,548	13,548	13,548	13,548	0.0	0.0	1.12	1.1	1.1	1.1	1.1	1.1
HANTRU1					483,840	483,840	483,840	483,840	483,840	483,840	0.0	0.0	0.00	40.0	40.0	40.0	40.0	40.0
Unity Cable System						28,788,480	28,788,480	32,659,200	48,625,920	53,464,320	0.0	0.0	0.0	2,380.0	2,380.0	2,700.0	4,020.0	4,420.0
Tahiti-Hawaii Cable (Honotua)						241,920	241,920	241,920	241,920	241,920	0.0	0.0	0.0	20.0	20.0	20.0	20.0	20.0
Planned as of 12/2012:																		
GOKI								0	967,680	967,680								
Retired before 12/2012:																		
HAW 4/TPC 3 - retired in 2003	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NPC (retired in 2004)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TPC 4 - retired in 2004	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HAW-5 - retired in 2004	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PacRimEast - retired in 2007	15,120	15,120	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PacRimWest - retired in 2004	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TPC 5	483,840	483,840	483,840	483,840	483,840	0	0	0	0	0	40.0	40.0	40.0	0.0	#REF!	0.0	0.0	0.0
Guam-Philippines - retired in June 2011	60,480	60,480	60,480	60,480	60,480	60,480	0	0	0	0	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0
(1) Total T-P	28,864,080	30,799,440	46,992,960	103,602,240	120,671,148	168,692,268	179,155,308	216,290,028	292,373,868	310,699,308	3,885.0	8,565.0	9,976.1	13,946.1	#REF!	17,881.1	24,091.1	25,606.1
Growth (%)	0.00%	6.71%	52.58%	120.46%	16.48%	39.80%	6.20%	20.73%	35.18%	6.27%								
(2) Regions 7,8 active circuits	1,287,766	1,459,648	2,024,378	2,496,149	3,856,899	5,142,367	7,822,408											
(3) Regions 7,8 idle circuits	878,889	995,165	1,300,782	1,387,672	5,602,527	5,396,052	4,575,508											
(4) Reported circuits = (2) + (3)	2,166,655	2,454,813	3,325,160	3,883,821	9,459,426	10,538,419	12,397,916											
(5) Reported % = (4) / (1)	7.5%	8.0%	7.1%	3.7%	7.8%	6.2%	6.9%											
(6) Active as % Total= (2) / (1)	4.5%	4.7%	4.3%	2.4%	3.2%	3.0%	4.4%											
ALL REGIONS -																		
(1)Total Available Capacity	98,626,369	109,331,329	132,117,169	221,929,969	287,035,117	380,816,917	453,877,966	561,290,446	694,582,318	758,751,598	10,922.4	18,347.4	23,734.8	31,482.9	#REF!	46,403.0	57,342.5	62,647.5
Growth (%)	16.74%	10.85%	20.84%	67.98%	29.34%	32.67%	19.19%	23.67%	23.75%	9.24%								
(2)Total 43.82 Reported Active circuits	5,086,208	5,903,650	6,520,519	8,709,847	12,738,254	21,154,844	24,384,301											
(3)Total 43.82 Reported Idle circuits	4,996,574	4,509,897	4,422,770	5,988,429	13,421,814	10,622,892	11,518,031											
(4) Total Reported circuits	10,082,782	10,413,547	10,943,289	14,698,276	26,160,068	31,777,736	35,902,332											
(5)Total Reported active circuits as % total ((2)/(4))	5.2%	5.4%	4.9%	3.9%	4.4%	5.6%	5.4%											
(6)Total Reported active & idle circuits as % total = (4) / (1)	10.2%	9.5%	8.3%	6.6%	9.1%	8.3%	7.9%											
(7) Total Common Carrier Cables	9,072,000	9,797,760	9,782,640	14,621,040	16,110,360	28,365,120	31,692,730	38,194,330	59,791,738		809	1,209	1,337	2,345	#REF!	3,158	4,943	5,203
(8) Total Common Carrier Cables capacity as % of Total Capacity	9.2%	9.0%	7.4%	6.6%	5.6%	7.4%	7.0%	6.8%			7.4%	6.6%	5.6%	7.4%	#REF!	6.8%	8.6%	8.3%

Conversion Ratio Used:
 T-1 Circuit = 24 64 Kbps Circuits
 E-1 Circuit = 30 64 Kbps Circuits
 DS-3 Circuit = 630 64 Kbps Circuits
 1 STM Circuit = 3 DS-3 = 63 E-1s = 1890 64 Kbps Circuits
 5 Gbps = 2,016 E-1s = 60,480 64 Kbps
 10 Gbps = OC 192 = 4,032 E-1s = 120,960 64 Kbps Circuits

TABLE 7 - B - Trans-Ocean Fiber Optic Cables

CABLES	Landing Points	FCC File No.	Release Date	FCC Record
<p>TRANS - ATLANTIC - Operational as of 12/31/2012: Atlantic Crossing (AC-1) Columbus III Level 3 AC-2 TAT-14 Flag Atlantic - 1 Hibernia Atlantic (formerly 360atlantic) Tyco Atlantic Apollo Cable</p> <p>Retired before 12/31/2012: TAT-8 PTAT TAT-9 TAT-10 TAT-11 TAT-12/13 Columbus II Gemini Cable System - continued CANUS-1 Columbus II</p>	<p>U.S./U.K./Germany U.S./Italy/Spain/Portugal U.S./U.K. U.S./U.K. U.S./Demark/Germany/Netherlands/France/UK U.S./U.K./France US/Canada/Ireland/U.K. U.S./U.K. U.S./U.K./France</p> <p>U.S./U.K./France U.S./Bermuda/Ireland/UK. U.S./Canada/U.K./France/Spain U.S./Germany/Netherlands U.S./U.K./France U.S./U.K./France U.S./Mexico/Portugal/Spain/Italy U.S./U.K. U.S./Bermuda/Canada U.S./Mexico/Spain/Italy/Portugal</p>	<p>SCL-97-002, DA 97-2034 ITC-98-437, DA 99-1637 SCL-LIC-19990913-00019, DA 00-108 SCL-MOD-20000511-00018, DA 00-2569 SCL-LIC-19990303-00004, DA 99-2042 SCL-LIC-19990303-00005, DA 99-2041 SCL-LIC-19990804-00012, DA 00-76 SCL-LIC-20000308-00007, DA 00-1808 SCL-LIC-20010122-00002, DA 01-1395</p> <p>I-T-C-84-072 , FCC 84-240 34614 SCL-85-001, FCC 85-99 35600 SCL-88-004, DA 88-1961 SCL-91-001, FCC 91-416 SCL-91-002, FCC 91-418 I-T-C-93-062 , DA 93-823 SCL-93-001, DA 93-908 SCL-96-004, DA 96-1649 & 2151</p> <p>SCL-95-004 (M) , DA 96-956 SCL-93-001, DA 93-908</p>	<p>Sept. 23, 1997 Aug. 20, 1999 Jan 21, 2000 Nov. 9, 2000 Oct. 1, 1999 Oct. 1, 1999 Jan. 14, 2000 Aug. 8, 2000 June 8, 2001</p> <p>June 8, 1984 Apr. 5, 1985 Dec. 27, 1988 Jan. 10, 1992 Jan. 10, 1992 July 16, 1993 July 26, 1993 Oct. 3 & Dec. 18, 1996</p> <p>June 14, 1996 July 26, 1993</p>	<p>13 FCC Rcd 5961(1998) 14 FCC Rcd 13436 (1999) 15 FCC Rcd 842 (2000) 15 FCC Rcd 21615 (2000) n.a. n.a. 15 FCC Rcd 765 (2000) 15 FCC Rcd 14881 (2000) 16 FCC Rcd 12023 (2001)</p> <p>98 FCC 2 d 440 (1984) 100 FCC 2 d 1033 (1985) 3 FCC Rcd 7304 (1988) 7 FCC Rcd 130 (1992) 7 FCC Rcd 134 (1992) 8 FCC Rcd 4810 (1993) 8 FCC Rcd 5038 (1993) 11 FCC Rcd 12732 (1996) & 12 FCC Rcd 8637 (1997) 11 FCC Rcd 7121 (1996) 8 FCC Rcd 5038 (1993)</p>
<p>AMERICAS - Operational as of 12/31/2012: Taino-Carb BAHAMAS II Antillas I Pan American Cable System - Continued AmeriCan - 1 * Americas II - Continued MAC PAC MAYA - 1 - continued GlobeNet - continued SAC ARCOS-1 (Americas Region Caribbean Ring System) - continued Bahamas Internet Cable System South America-1 Cable System (SAm-1) - continued Antilles Crossing System SMPR-1 Global Caribbean Network (GCN) CFX-1 Cable System Gemini Bermuda Cable System CB-1</p> <p>Planned Cable: America Movil Submarine Cable System (AMXI System)</p> <p>Retired before 12/31/2012: TCS-1 Americas I</p>	<p>PR/USVI/British V.I. US/Bahamas PR/Dominican Rep. USVI/Aruba/Venezuela/Colombia/Panama/ Ecuador/Peru/Chile US/Canada US/PR/USVI/Martinique/Curacao/Trinidad/ Venezuela/French Guiana/Brazil US/USVI US/Mexico/Panama/Venezuela/USVI/Costa Rica US/Cayman Isl./Colombia/Costa Rica/ Honduras/Mexico/Panama US/Venezuela/Brazil/Bermuda/Colombia</p> <p>USVI/Brazil/Arg/Chile/Peru/Colombia/Panama US/Bahamas/Turks & Caicos/Dom Rep/PR/ Curacao/Venez/Colom/Pan/Costa Rica/Nicar/ Honduras/Guatemala/Belize/Mexico US/Bahamas US/PR/Brazil/Argentina/Chile/Peru/Guatemala/ Colombia/Ecuador DA 07-1567 US/St. Lucia/Barbados PR/St. Maarten,Netherlands Antilles PR/Guadeloupe/Saint-Martin/St. Barthelemy/USVI US/Colombia/Jamaica US/Bermuda US/Bermuda</p> <p>US/PR/Dom. Rep./Brazil/Colombia/Guatemala/Mexico</p> <p>US/PR/Dominican Rep./Jamaica/Colombia US/Brazil/Trinidad/Venezuela</p>	<p>SCL-92-002, DA 92-861 ITC-96-234, DA 96-1234 SCL-95-012, DA 96-1052 SCL-97-001, DA 98-81</p> <p>SCL-98-001, DA 98-1668 ITC-98-342, 342A, DA 98-2294</p> <p>SCL-LIC-19981030-00023, DA 99-509 SCL-LIC-19981103-00022, DA 99-510 SCL-LIC-19990325-00006, DA 99-2579</p> <p>SCL-LIC-19990602-00010, DA99-2778 SCL-MOD-20121003-00012, DA 12-1921 SCL-LIC-19990823-00015, DA 00-310 SCL-LIC-19981222-00032, DA 99-1312</p> <p>SCL-LIC-20000118-00001, DA 00-1349 SCL-LIC-20000204-00003, DA 00-1826 DA 07-1567 SCL-LIC-20031125-00032, DA 04-74 SCL-LIC-20031209-00033, DA 04-1308 SCL-LIC-20050418-00010, DA 05-2443 SCL-LIC-20070516-00008, DA 08-325 SCL-LIC-20070925-00017, DA 08-532 SCL-LIC-20080603-00011, DA 09-408 &</p> <p>SCL-LIC-20120330-00002, DA 13-247</p> <p>SCL-89-003, DA 89-1667 SCL-93-002, DA 93-909</p>	<p>July 6, 1992 Aug. 6, 1996 July 2, 1996 Jan. 20, 1998</p> <p>Aug. 21, 1998 Nov. 10, 1998</p> <p>Mar. 18, 1999 Mar. 18, 1999 Nov. 18, 1999</p> <p>Dec. 10, 1999 Nov. 30, 2012 Feb. 17, 2000 July 2, 1999</p> <p>June 20, 2000 Aug. 10, 2000 Apr. 2, 2007 Jan. 15, 2004 May 11, 2004 Sept. 13, 2005 Feb. 11, 2008 Mar. 7, 2008 Feb. 20, 2009</p> <p>February 21, 2013</p> <p>Jan. 5, 1990 July 26, 1993</p>	<p>7 FCC Rcd 4275 (1992) 11 FCC Rcd 37604 (1996) 11 FCC Rcd 7690 (1996) 13 FCC Rcd 850 (1998)</p> <p>13 FCC Rcd 15663 (1998) 13 FCC Rcd 22534 (1998)</p> <p>14 FCC Rcd 3981 (1999) 14 FCC Rcd 3989 (1999) 14 FCC Rcd 19456 (1999)</p> <p>14 FCC Rcd 20787 (1999) N.A. 15 FCC Rcd 3039 (2000) 14 FCC Rcd 10597 (1999)</p> <p>15 FCC Rcd 10818 (2000) 15 FCC Rcd 14915 (2000) 22 FCC Rcd 6630 (2007) 19 FCC Rcd 446 (2004) 19 FCC Rcd 8564 (2004) 20 FCC Rcd 14639 (2005) 23 FCC Rcd 1749 (2008) 23 FCC Rcd 3897 (2008) 24 FCC Rcd 2219 (2009)</p> <p>N.A.</p> <p>5 FCC Rcd 100 (1990) 8 FCC Rcd 5041 (1993)</p>

* AmeriCan-1 filed several modifications, see SCL-AMD-19980831-00015, DA 98-2569; SCL-AMD-19981112-00026, DA 99-601; SCL-MOD-19990901-00016, DA 00-315; and SCL-T/C-20050601-00013, DA 05-2204.

TABLE 7 - B - Trans-Ocean Fiber Optic Cables

CABLES	Landing Points	FCC File No.	Release Date	FCC Record
TRANS - PACIFIC -				
Operational as of 12/31/2012:				
Southern Cross	U.S./Fiji/Australia/New Zealand	ITC-97-622 DA 98-273	Feb. 13, 1998	13 FCC Rcd 2939 (1998)
China-U.S. Cable Network	U.S./China/Taiwan/Japan/S. Korea/Guam	SCL-98-002, DA 98-1711	Aug. 28, 1998	13 FCC Rcd 16232 (1998)
PC-1	US/Japan	SCL-98-006, DA 98-2351	Nov. 23, 1998	13 FCC Rcd 23384 (1998)
Japan-U.S. CN	US/HI/Japan	SCL-LIC-19981117-00025, FCC 99-167	July 9, 1999	14 FCC Rcd 13066 (1999)
Australia-Japan Cable (Guam) - (AJC)	Australia/Guam/Japan	SCL-LIC-20000629-00025, DA 00-2758	Dec. 8, 2000	15 FCC Rcd 24057 (2000)
Tyco Pacific	US/HI/Guam/Japan	SCL-LIC-20000717-00026, DA 00-2762	Dec. 8, 2000	15 FCC Rcd 24078 (2000)
- continued		SCL-MOD-20020826-00079, DA 02-2444	Oct. 1, 2002	17 FCC Rcd 19081 (2002)
Trans-Pacific Express Cable Network (TPE)	U.S./China/South Korea/Taiwan/Japan	SCL-LIC-20070222-00002, DA 08-66	Jan. 11, 2008	23 FCC Rcd 227 (2008)
Sydney-Hawaii Cable System	US/Australia	SCL-LIC-20070621-00009, DA 08-1080	May 7, 2008	23 FCC Rcd 7446 (2008)
Asian America Gateway Consortium	Hawaii/Guam/Philippines/Hong Kong/Malaysia/ Vietnam/Burmei/Singapore/Thailand	SCL-LIC-20070824-00015, DA 08-1580	Jul. 3, 2008	23 FCC Rcd 10386 (2008)
- continued				
PPC 1	Guam/Australia/Papua New Guinea	SCL-LIC-20080213-00001, DA 08-2082	Sept. 11, 2008	23 FCC Rcd 13419 (2008)
American Samoa Hawaii Cable	HI/American Samoa/Samoa	SCL-LIC-20080814-00016, DA 09-45	Jan. 16, 2009	24 FCC Rcd 226 (2009)
HANTRU 1	Guam/Rep. of the Marshall Island/Fed. of State of Micronesia	SCL-LIC-20090302-00005, DA 09-1309	June. 11, 2009	
- continued				
Unity Cable System	US/Japan	SCL-LIC-20080516-00010, DA 09-2188	Oct. 8, 2009	24 FCC Rcd 12489 (2009)
Tahiti-Hawaii Cable System (Honotua cable)	Hawaii/French Polynesia (Tahiti)	SCL-LIC-20081008-00017, DA 10-2310	Dec. 7, 2010	25 FCC Rcd 17049 (2010)
Planned Cable:				
GOKI Cable Network	Guam/Japan	SCL-LIC-20110329-00009, DA 11-931	May 20, 2011	26 FCC Rcd 7595 (2011)
Retired before 12/31/2012:				
HAW-4/TPC-3	U.S./Hawaii/Guam/Japan	I-T-C-85-219 & ITC-88-024, DA 88-185	Jan. 7, 1986 & Feb. 22, 1988	3 FCC Rcd 940 (1988)
NPC	U.S./Japan	SCL-86-002-(M), FCC 89-304	Nov. 15, 1989	4 FCC Rcd 8061 (1989)
TPC-4	U.S./Canada/Japan	SCL-89-004, FCC 89-305	Nov. 15, 1989	4 FCC Rcd 8040 (1989)
PacRimWest	Australia/Guam	ITC-90-097, FCC-90-379	Dec. 10, 1990	5 FCC Rcd 7362 (1990)
PacRimEast	HI/NZ	ITC-90-072, FCC-90-378	Dec. 10, 1990	5 FCC Rcd 7331 (1990)
HAW-5	US- CA/HI	ITC-90-081, FCC-90-377	Dec. 10, 1990	5 FCC Rcd 7344 (1990)
TPC-5	U.S./Japan	SCL-92-005, DA 92-1560	Nov. 25, 1992	7 FCC Rcd 7674 (1992)
Guam-Philippines Cable	Guam/Philippines	SCL-98-004, DA 98-2550	Dec. 15, 1998	14 FCC Rcd 1923 (1999)